

TITOV, D. V.

Titov, D. V. - "A study of the drive on an automatic locomotive", Nauch.-issled. study
(Tsentr. nauch.-issled. in-t khlopotovozostroyeniya, Moscow, 1949), pp. 1-10.

See also: "A study of the drive on an automatic locomotive", Nauch.-issled. study, No. 19, 1949).

TITOV, E.

PA 22T2

USSR/Aeronautics
Loran - Navigation
Navigation, Aerial

Jul 1947

"Long Range 'Loran' Assisted Flights," E. Titov,
4½ pp

"Vestnik Vozdushnogo Flota" No 7 (341)

The article discusses the English "DGI" and the American "Loran" used for navigation in plane flights. It is in the "Foreign Aviation" section and reference is made to a 1945 issue of the "Electronics" magazine. Shows several diagrams on the typical setup for transmitting stations.

22T2

PROCESSING AND PROPERTIES INDEX

B-2-8

Processing pitch, pine with caustic solutions. B. TITOV, A. PAVLOVICH, and V. FANOV (J. Appl. Chem., Russ., 1952, 4, 690-691). Steam and caustic process gives the most products provided all the turpentine is removed from the chips. Resin acids have reducing properties in an alkaline medium. Chips are preferably extracted by countercurrent treatment at $> 90^\circ$ and without preliminary removal of turpentine by distillation. Na_2CO_3 (6-7%) is added to the alkaline extract, and the mixture distilled. Resin soaps are separated from the residue, and the caustic returned to the process. For quicker separation of resin acids from pitch, turpentine or some of its components is added to caustic solutions used for extraction. Ch. Am.

METALLURGICAL LITERATURE CLASSIFICATION

EXTRACTS

EXTRACTS

TITOV, E. M.

USSR/Geology
Sediment

Jun 1947

"The Chemical Characteristics of the Ural Sapropels,"
E. M. Titov, Ural Lumber Ind Inst, Sverdlovsk, 3 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LVI, No 7

Tabular data and brief discussion concluding that conditions arose in Urals both for abiogenic depositions of carbonic acid lime and for biogenous ones, particularly with assimilation processes, especially with characeae and blue-green algae, remains of which are very well represented in calcareous sapropels of Urals, probably as a result of bacterial activity.

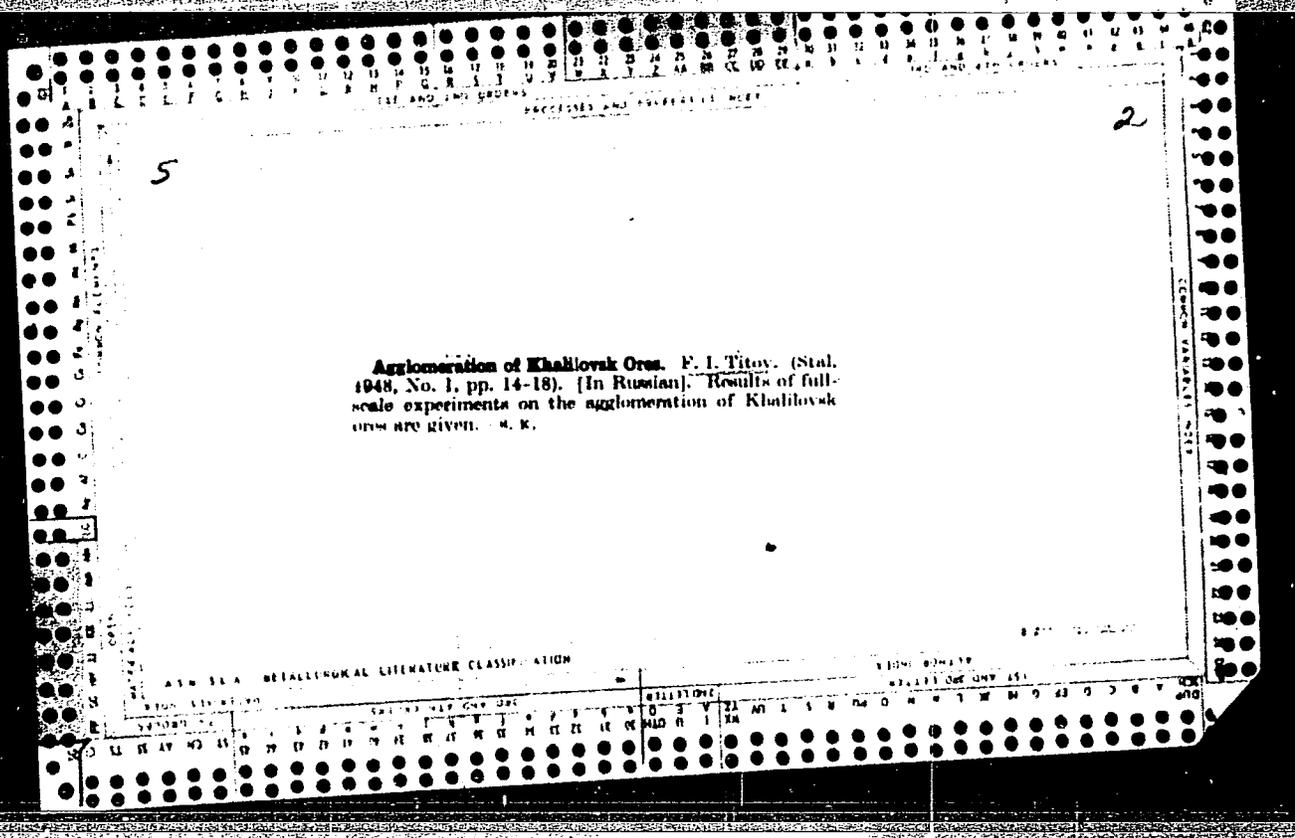
FDB

60721

TITOV, F.,delegat XXI s"yezda partii

Let's give the trade unions all possible help and support.
Sov.profsoiuzy 7 no.4:5-7 Fe '59. (MIRA 12:5)

1. Pervyy sekretar' Ivanovskogo obkoma Kommunisticheskoy
partii Sovetskogo Soyuza.
(Ivanovo Province--Trade unions)



CA

Agglomeration of Chalilov ore. F. I. Litov (Combinaat. Magnitogorsk). *Stahl* 8, 14-18 (1948); *Chem. Zentr. (Russian Zone Ed.)* 1948, II, 1117-18.—This ore contains SiO₂ about 16.31, Fe 43.15, and H₂O 18.54%. A satisfactory agglomerate was obtained. The Fe enrichment was about 7-8%. Most satisfactory results were obtained with a C content (for agglomeration) of 7.8% and a moisture content of 18-20%. The equipment used and its operation are described.
M. G. Moore

TITOV, F.

Let's march forward boldly. Sov. profsoluzy 18 no.2:5-3 Ja
'62. (MIRA 15:4)

1. Sekretar' Tsentral'nogo komiteta kommunisticheskoy partii
Uzbekistana.

(Uzbekistan--Socialist competition)

TITOV, F. I.

FA 41T93

USSR/Metals

Jan 1948

Ore Dressing
Alloys

"Agglomeration of Naturally Alloyed Ore," F. I. Titov,
Engr, Magnitogorsk Combine, 4 pp

"Stal'" No 1

As a result of the process of industrial agglomeration of naturally alloyed ores an agglomerate of very desirable quality was obtained. Studies of production of agglomeration equipment showed certain deficiencies. Corrections were made, greatly altering the equipment of agglomeration plants. Results of experiments have shown that it is practical to build plants for the agglomeration of naturally alloyed ores.

FDB

41T93

TITOV, F.K.

25815

25815. TITOV, F.K. O polevoy vskhozhesti fiziologicheskii nedozrevshikh seryan yachmenya. (Po povodu stat'i T.C. Rzhanova "Polevaya vskhozhest' fiziologicheskii nedozrevshikh seryan yachmenya" v zhurn. "Selektsiya i semenovodstvo", 1949, No 1. S. primech. red). Selekcziya i semenovodstvo, 1949, No 8, s. 47-50

SO: Lethopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

TITOV, F.K.

25815. TITOV, F.K. O Polevoy uskhozhesti fiziologicheski nedozrevshich semyan yachmenya. (Po povody stat' i T.C. Rzhanova "Polevaya uskhozhest' fiziologicheski nedozrevshikh semyan yachmenya" v zhurn. "Selektsiya i semenovodstvo", 1949, No 1. S. primech. red). Seleksiya i semenovodstvo, 1949, No 8, S. 47-50

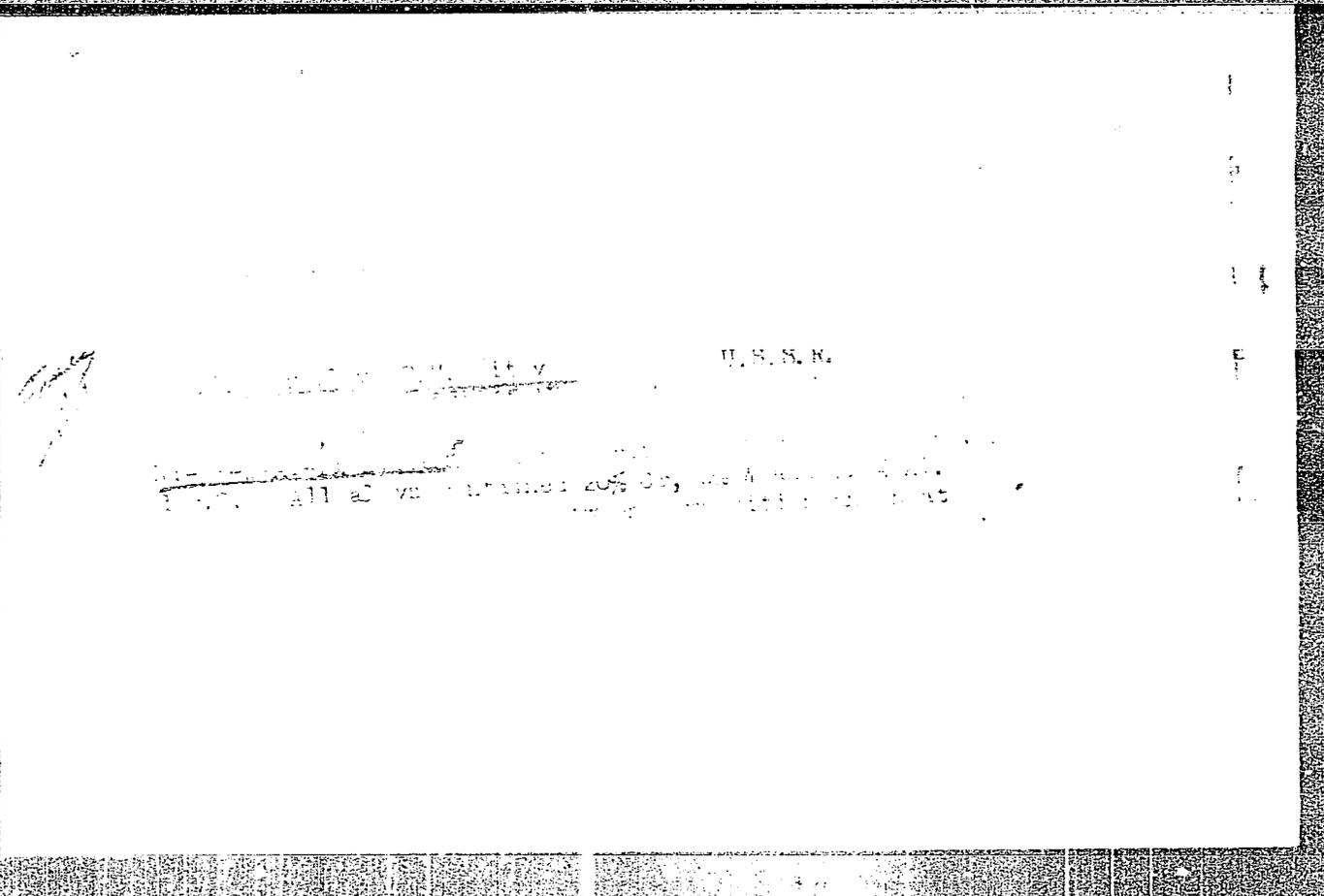
SO: Letopis' Zhurnal'nykh Statey Vol. 34, Moskva 1949

TITOV, F. K. i BARYSHEV, S. F.

25815

Opolevoi vskhozhesti (fiziolo logicheski neozrevskikh. Semyan yachmenay "vzhurn
"selektseyai semenovodstvo," 1949, No. 1. Sprimech, red) Selektzia i semenovostro,
1949, No. 8, s. 47-50

SO: Letopis' No. 34



system of gases, composition, temperature, and pressure.

The max. on the compn. & diagrams are displaced with change in temp. From the combined polythermal diagram of compn. and S the S at various temp. varies with the Ti content. At comparatively low temp. (600°-800° C.), supersaturated solid soln. in the stage of slow decomposition have greater S than homogeneous alloys. At higher temp. (1000° C.) the max. S is given by alloys with limiting sol. limit on point of decomposition. At temp. ...
At 1000° C. ...
limited solid soln. and a low Ti. concentration ...

20

(1)

ACCESSION NR: AR4018043

S/0264/64/000/001/A053/A054

SOURCE: RZh. Vozdushny*y transport, Abs. 1A315

AUTHOR: Titov, F. M.; Devichenskiy, N. P.

TITLE: Appraisal of the technical condition of the material of turbine vanes by the internal-friction method in repairing airplane motors.

CITED SOURCE: Tr. Rizhsk. in-ta inzh. grazhd. vozd. flota, vy*p. 11, 1962, 44 str.

TOPIC TAGS: turbine vane, material condition, internal-friction method, airplane motor repair, internal energy dispersion, damping decrement, free vibration, overheating temperature, heat exchange, surface crack, impending material failure

TRANSLATION: The paper attempts to use the method of measuring internal friction in appraising the condition of the material of turbine vanes in operation. The mechanism of energy dispersion inside metals is complex and not yet fully studied. It is known that internal friction is rather sensitive to the processes taking place in alloys in aging and annealing. But the problem of the effect of the various operational factors on the internal friction of heat-resisting alloys has

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ACCESSION NR: AR4018043

been little studied. The existing methods of testing vanes in repairing airplane motors do not ensure detection of serious changes in the material while in operation. The extent of internal friction was appraised from the decrement of damping in the free vibrations of the vanes of motor VK-1 on a special installation. The overworking effect of cracks and overheatings, as well as cyclic heat exchanges, on the damping decrement in vanes of the alloy EI-437B was studied. The results show that this method reveals changes taking place in the process of operation. Although the mean value of the decrement changes only slightly, the dispersion of the values of the decrement increases sharply after 300 hours of operation. The dispersion after 600 hours is five times greater than that in non-operating vanes. The rise in the overheating temperature, as well as the heat exchanges, lower the damping decrement. Small cracks on the surface of the blades change the decrement only slightly, but large cracks cause a great increase in the decrement. Hence, the proposed method permits detection of impending material failure. Bibliography of 26 titles. I. Kuznetsov.

DATE ACQ: 18Feb64

SUB CODE: AS, ML

ENCL: 00

Card 2/2

18

Solubility of titanium and phase composition of alloys in the quintuple system Ni-Cr-W-Al-Ti. I. I. Kornilov, A. Ya. Sporkov, and P. M. Litov. *Met. Eng. USSR* 1965, 5, 1166. Thermal metallographic and x-ray study shows that the soly. of Ti at const. compos. of Cr, W, and Al is not more than 1% at 800-1000°. Further increase in temp. improves the soly.: 2% at 1100° and approx. 5% at 1200°. X-ray analysis of ppts. from the alloys contg. 3.25, 5.0, and 8.2% Ti after heating for 10 hrs. at 1130°, shows that they contain 2 phases; one is a known phase γ' and another has a body-centered lattice. The latter phase is probably a solid soln. of W. Its presence can be explained by a nonequil. state of the alloys studied. With an increase in Ti content in the heterophased alloy the lattice period of the solid soln. of Ni and γ' phase is increased, while that of W phase is decreased. This change is due to a difference in distribution of the elements in the phases. In an alloy of 9.4% Ti, after heating for 10 hrs. at 1130°, a phase Ni₃Ti is found. There is also present a stable phase γ' which is a solid soln. of Ni₃Al.

A. Libakofy

RB
MT

1-452C
1-452D

L 07082-67 EWT(m)/EWP(f)/EWP(t)/ETI IJP(c) JD/vw/HW/JI/GD

ACC NR: AT6026918

SOURCE CODE: UR/0000/66/000/000/0169/0175

AUTHOR: Titov, F. M.; Devishenskiy, N. P.

ORG: None

TITLE: Investigation of aircraft engine turbine blades by the internal friction method

SOURCE: AN SSSR. Institut metallurgii. Vnutrenneye treniye v metallakh i splavakh (Internal friction in metals and alloys). Moscow, Izd-vo Nauka, 1966, 169-175

TOPIC TAGS: internal friction, hardness, heat resistant alloy, thermal effect, turbine blade, aircraft engine, jet engine

ABSTRACT: This paper discusses the results of investigating turbine blades and samples of heat resistant alloys by internal friction and hardness methods. Blades which had been in operation from 0 to 4,000 hours were checked for decrease in number of vibrations, while nickel alloy samples were subjected to heating and cooling cycles in order to study the influence of thermal cycling on internal friction. Tests of a wrought nickel alloy showed that the decrement of free vibrations for blades increases notably only during the first 400-500 hours of service. The dispersion decrement (of internal friction) for the same blades drops sharply at first and then increases in the same manner as it does for blades which have operated for 200 hours at, however, a lower value (about half as much) than for new blades,

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L 07082-67
ACC NR: AT6026918

reaching a maximum in the region of 1,500-1,600 hours and remaining almost constant up to 4,000 hours. Average hardness and hardness dispersion changes very little. For cast nickel alloy the decrement of internal friction remains fairly constant while decrement dispersity increases up to 3,200 hours with little differences noted in test values for used or new blades. Hardness parameters showed that average hardness changes and rises to its highest value at 3,200 hours of operation. Dispersion of hardness for the first 800-1,200 hours of operation is substantially lower and is about one-third that for new blades. From 1,200 to 3,200 hours this value remains constant. Relationships of decrement and dispersion of decrement of internal friction to number of thermal cycles revealed an erratic pattern with the greatest fluctuations taking place between 100 and 150 cycles. This was also true for decrement and dispersion of decrement of hardness with respect to thermal cycles. One of the reasons for increased decrement values in the first 400-500 hours was surface hardening of blade material due to the forces acting on it. Those instances in which investigated parameters remained fairly constant reveal the capability of a material to scatter energy and allow it to equalize throughout (in most cases). Orig. art. has: 2 formulas and 4 figures.

SUB CODE: 11 ¹⁰/₂₁ / SUBM DATE: 02Apr66 / ORIG REF: 015

Card 2/2 LC

L-07080-67 EWT(m)/EWE(w)/EWP(v)/EWP(k) LJP(c) m/EM/LL/ND
ACC NR: AT6026920 (N) SOURCE CODE: UR/0000/66/000/000/0193/0198

AUTHOR: Devichenskiy, N. P.; Titov, F. M.; Fastritskiy, V. S.

ORG: None

TITLE: Unit for semiautomatic measurement of free vibration decrements in gas turbine blades

SOURCE: AN SSSR. Institut metallurgii. Vnutrenneye treniye v metallakh i splavakh (Internal friction in metals and alloys). Moscow, Izd-vo Nauka, 1966, 193-198

TOPIC TAGS: vibration measurement, internal friction, electric measuring instrument, gas turbine, turbine blade, electronic test equipment

ABSTRACT: The unit mechanically measures the decrement of vibrations in turbine blades and converts these measurements into electrical pulses for semiautomatic determination of internal friction. The unit utilizes EID-1 and EID-2 electronic measuring devices, allowing for rapid measurement of the logarithmic decrement of free vibrations for jet engine turbine blades and utilizing the effect of eddy currents. The speed of measuring decrement with the EID-1 is about 30 times faster than by tensiometric or induction methods. One shortcoming of this unit is that the number of pulses obtained only corresponds to a constant ratio of amplitudes U_{\max}/U_{\min} equal to 2. Another drawback is that the use of thyatron circuits reduces measuring accuracy. An advanced measuring device without the shortcomings

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L 07080-67

ACC NR: AT6026920

of the EID-1 is the EID-2 which has a U_{max}/U_{min} of 10/9 so the true, not average, value of vibration decrement can be measured. Operating speed of the EID-2 is somewhat slower than that of the EID-1 because it has to find the difference between the readings of two scalars whereas this difference is obtained directly in the EID-1. This is compensated for by a high accuracy of measurement and the use of relatively simple and small scalars as opposed to the cumbersome and expensive PS-10000 scalar on the EID-1. Results from testing the EID-2 device showed that it can be successfully used for nondestructive testing of parts (blades) of different materials both under experimental and plant conditions. Orig. art. has: 4 figures. 0

SUB CODE: ~~20, 21, 24~~ ²¹ / SUBM DATE: 02Apr66 / ORIG REF: 003

Card 2/2 JC

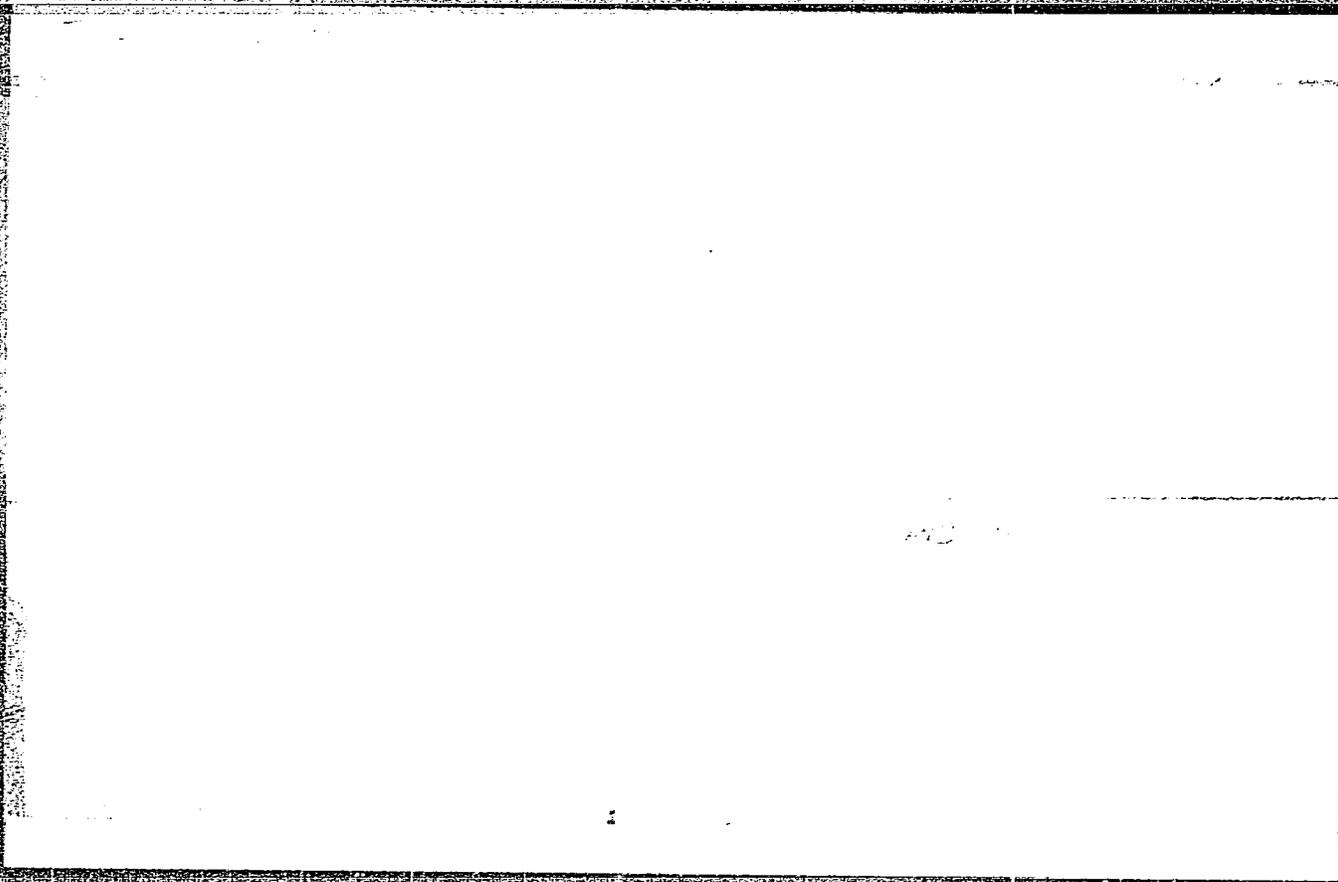
7116-6, 1-11.
KORNILOV, I.I.; SNETKOV, A.Ya.; TITOV, F.M.

Study of the solubility of titanium and its alloy phase composition in the 5-component system nickel-chromium-tungsten aluminum-titanium. Zhur. neorg. khim. 2 no.1:160-166 Ja '57. (MLRA 10:4)

1. Kafedra aviatsionnogo materialovedeniya Voenno-vozdushnoy inzhenernoy Akademii im. N.Ye. Zhukovskogo.
(Nickel-chromium-titanium alloys) (Titanium)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820018-4



APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820018-4"

Ti.lov, F. M.

MAYRANOVSKIY, S.G.; TITOV, F.S.

Glass parts in polarographic equipment. Zhur. anal. khim., 15
no.1:121-123 J-F '60. (MJRA 13:5)

1. N.D.Zelinsky Institute of Organic Chemistry, Academy of
Sciences, U.S.S.R., Moscow.
(Polarograph)

0.0000

TTTC:
SOV/75-15-1-26/23

AUTHORS: Mayranovskiy, S. G., Titov, F. S.

TITLE: Concerning Glass Parts of Polarographic Equipment

PERIODICAL: Zhurnal analiticheskoy khimii, 1960, Vol 15, Nr 1, pp 121-123 (USSR)

ABSTRACT: The article describes some glass items used in polarography. There are 3 Soviet references.

ASSOCIATION: N. D. Zelinsky Institute of Organic Chemistry, Academy of Sciences, USSR, Moscow (Institut organicheskoy khimii imeni N. D. Zelinskogo AN SSSR, Moskva)

SUBMITTED: December 23, 1958

Card 1/1

TITOV, G.

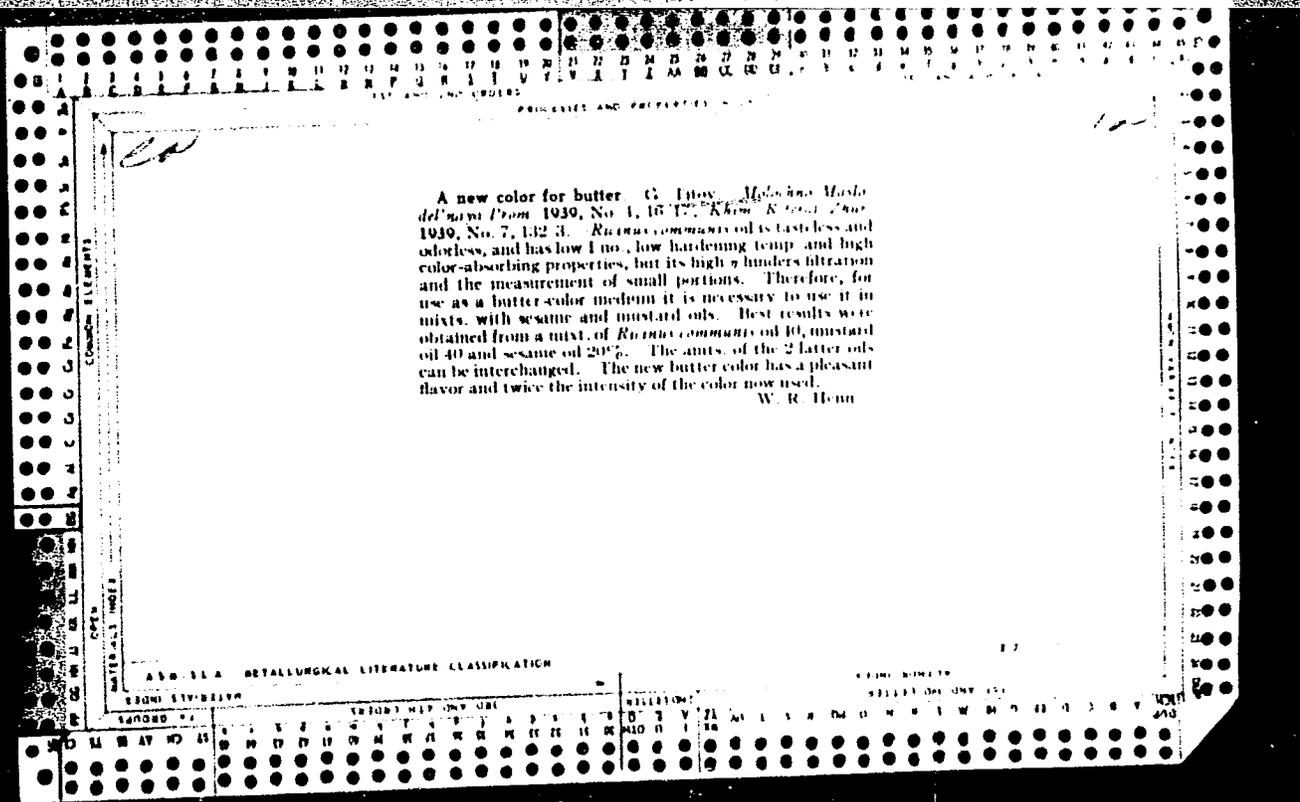
26446 Pribov dlya opredeleniya aktonosti pepsina i sychuzhnogo poroshka. myas. industriya, 1949, No.4, s. 38-39.

SO: LETOPIS NO. 35, 1949

TITOV, G.

19976 TITOV, G. Metody bystrogo obora prob moloka dlya issledovaniya. Moloch prom-st', 1949, No. 6, s. 38-40.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.



CA

/ Rapid determination of protein in milk. V. Slavyanov and G. Titov. *Molochanskye Prizn.* 12, No. 1, 36-6(1951).— Milk is decompd. in Kjeldahl-type distn. app. by means of strong NaOH and a current of steam. The generated NH₃ is collected and titrated as usual. Detn. requires 15 min. No acid digestion is used. A 10-ml. portion of 10 N NaOH along with 10 ml. 10% BaCl₂ is satisfactory for a 10-ml. milk sample. G. M. Kosolapoff

1957

CA

Rapid control of milk quality. G. Titov. *Molokovaya*
Prav. 10, No. 10, 20-2, 1949. Review of semiautomatic
and other mass control devices and methods for routine
milk analysis. G. M. Kosolapov

CA

Rapid milk sampling methods. G. Titay. *Melk*
noya Prom 10, No. 6, 38 (1949). Various sampling
vessels are illustrated. G. M. Kosolapoff

ТТФВ, Г., лётчик-космонавт СССР

Soviet astronauts talk with the planet. *Av. i kosm. 47* (ekstr.
vyp.):38-40 0 '64. (MIRA 18:3)

GAGARIN, Yu., polkovnik, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuz;
TITOV, G., podpolkovnik, letchik-kosmonavt SSSR, Geroy Sovetskogo
Soyuz

Our comrades are in space. Av. i kosm. 47 no.4:10-19 Ap '65.
(MIRA 18:4)

TITOV, G.

33238. Metody Bystrogo Kontrolya Svezhesti Moloka "oloch. Prom-st',
1948, No. 10, c . 20-22

30: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

11111, 1.

36259 Tri-ory, Sile...
1947 No. 11, 1. 13-4

SO: Leto's' Zhurnal'n Kh Statey, No. 49, 1949

36259 Prihory, oblezchayishchiye opredeleniye kirovosti moloch. Moloch.
Prom-st', 1949, No. 11, s. 43-44.

SC: Letopis' Zhurnal'nykh Statey, No. 49, 1949

TITOV, G., podpolkovnik, Goroy Sovetskogo Soyusa, letchik-kosmonavt SSSR

The flight of our life. Av. i kosm. no.1:17-20 Ja '66.
(MIRA 19:1)

ACC NR: AP7006109

SOURCE CODE: UR/0209/67/000/001/0009/0012

AUTHOR: Titov, G. (Colonel, Hero of Soviet Union, Pilot cosmonaut SSSR)

ORG: none

TITLE: New Year, Space Year [Status of Soviet space program discussed]

SOURCE: Aviatsiya i kosmonavtika, no. 1, 1967, 9-12

TOPIC TAGS: space research, space flight, unmanned space flight, automatic space station, space test

ABSTRACT: In preparation for the 50th anniversary of the October revolution the Soviets have taken a number of measures which will enable them to achieve new successes in space. A more powerful launch vehicle has been tested in the Pacific Ocean, which will be able to lift considerably heavier loads than previous Soviet launch vehicles. Kosmos satellites have been used to test all the necessary equipment, instrumentation, and control systems of satellites and interplanetary stations, and to

Card 1/2

UDC: none

ACC NR: AP7006109

solve problems in space research. Successful biological experiments have been conducted involving the sending of dogs through the radiation belt aboard Kosmos-110, and meteorological research was successfully conducted on Kosmos-122, including observations of the night side of the earth and the taking of pictures in the visible as well as the infrared portion of the spectrum. [WH]

SUB CODE: 22/ SUBM DATE: none/ ATD PRESS: 5116

Card 2/2

CA

12

Apparatus for determination of the activity of pepsin
in crude powders. G. Titov. *Myasnaya Ind.* 20, No.
4, 38-9(1949).—This factory-control procedure for
approximating the activity of crude pepsin powders de-
pends on the relative time required by the sample and a
standard prepn. to coagulate a portion of milk. The con-
struction of a const.-temp. bath for the test is described.
M. M. Piskur

KNEZ, Vatslav [Knez, Vaclav], inzh.; KHARITONOVA, I.A. [translator];
TITOV, G.A., inzh., spetsred.; NOZDRINA, V.A., red.; KISINA,
Ye.I., tekhn.red.

[Manufacture of cheeses] Proizvodstvo syrov. Moskva, Pishche-
promizdat, 1960. 271 p. Translated from the Czech.
(Cheese industry) (MIRA 13:9)

BUTOMA, B.Ye.; YEGOROV, M.Ye.; DEREVYANKO, Yu.G.; KHABAKHPASHEV, A.A.;
BAKAYEV, V.G.; ISHKOV, A.A.; KOLFSNICHENKO, N.S.; KAMENTSSEV, V.M.;
GORSHKOV, S.G.; KASATONOV, M.A.; ISHCHENKOV, H.V.; AFANAS'YEV, S.A.;
TITOV, G.A.; LARIONOV, M.F.

Boris Evgen'evich Klopotov; obituary. Sudostroenie 30
no.11:81 '64. (MIRA 18:3)

STURMAN, A.V., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); BULGAKOV, Yu.N., veter. fel'dsher (Strashenskiy rayon, Moldavskaya SSR); KAL'NITSKIY, P.I., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); OCHAKOVSKIY, Z.M., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); GOTSENOGA, A.D. (Strashenskiy rayon, Moldavskoy SSR); ABRAMYAN, G.I., veter. vrach; MEKHTIYEV, M.G., veter. fel'dsher (s. Shirozlu, Vedinskogo rayona Armyanskoy SSR); KIRAKOSYAN, A.A., veter. vrach; GEORGIYEV, Yu.P., veter. vrach; LOMAKIN, A.M., nauchnyy sotrudnik; SHEPELEV, L.A., veter. vrach.; TARASOV, I.I., assistent; ROMASHKIN, V.M., veter. tekhnik; ANDRIYAN, Ye.A.; BARTENEV, V.S.; KOROL', Ye.I., veter. tekhnik; YEROSHENKO, A.K., aspirant; BANZEN, Ya.P.; SARAYKIN, I.M., prof.; ZNEVAGIN, A.N., veter. vrach; BUT'YANOV, D.D., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti BSSR); SHALYGIN, B.V., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti, BSSR); RYABOKON, G.T., veter. fel'dsher; MOVSUMZADE, K.K., prof.; DUGIN, G.L., aspirant; TITOV, G.L., nauchnyy sotrudnik; MEDVEDEV, I.G., veter. vrach.; ALIKAYEV, V.A.; ALLENOV, O.A., veter. vrach.

Prophylaxis and treatment of noninfectious diseases in calves and piglets. Veterinariia 40 no.2:40-47 F '63. (MIRA 17:2)

1. Ul'yanovskaya oblastnaya veterinarno-bakteriologicheskaya laboratoriya (for Sturman). 2. Kolkhoz imeni Kirova. Volokonovskogo
(Continued on next card)

TITOV, G.I., aspirant

Use of sodium selenite in white muscle disease in lambs.
Veterinariia 39 no.1:58-59 Ja '62. (MIRA 15:2)

1. Poryatskaya nauchno-issledovatel'skaya veterinarnaya
stantsiya.

(Muscular dystrophy)
(Lambs---Diseases and pests)
(Sodium selenites)

TITOV, G.I., aspirant

Proteins and protein fractions of the blood serum in white
muscle disease of lambs. Veterinariia 38 no.8:57-58 Ag '61
(MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

SHISHKOV, V.P., dotsent; BABAK, I.M., aspirant; SOLOV'YEV, F.A., dotsent;
DANILEVSKIY, V.M., dotsent; VISHNYAKOV, S.I., dotsent;
TITOV, G.I.; OKUNTSOV, L.P.; AFANAS'YEV, V.P.; ZHAROV, A.V.,
assistant; SLUGIN, V.S.; KRYLOV, O.N., aspirant

Noninfectious diseases. Veterinariia 41 no.4:64-80 Ap '64.
(MIRA 17:8)

1. Moskovskaya veterinarnaya akademiya (for Shishkov, Zharov).
2. Belotserkovskiy sel'skokhozyaystvennyy institut (for Babak).
3. Velikolukskiy sel'skokhozyaystvennyy institut (for Solov'yev).
4. Kurskiy sel'skokhozyaystvennyy institut (for Vishnyakov).
5. Zaveduyushchiy otdelom nezaraznykh zabolevaniy Buryatskoy nauchno-proizvodstvennoy veterinarnoy laboratorii (for Titov).
6. Zaveduyushchiy Berezovskoy veterinarnoy laboratoriyey, Volgogradskaya obl. (for Okuntsov).
7. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Kraynego Severa (for Afanas'yev).
8. Pushkinskiy zverosovkhoz Moskovskoy oblasti (for Slugin).
- 9 Leningradskiy veterinarnyy institut (for Krylov).

TITOV, G.I.,(Post-graduate student. Furiyat NIVS)

"Utilization of sodium selenite in the white muscle disease of lambs."

Veterinariya, Vol 39, no 1, Jan 1962. pp 58

KLESHCHEV, G.V.; SHEYNKMAN, A.I.; BOBYRENKO, Yu.Ya.; Prinsipal uchastiye
TITOV, G.K.

Effect of metal oxides on the polymorphic transformation of anatase
to rutile. Lakokras.mat. i ikh prim. no.2:21-23 '64.
(MIRA 17:4)

TITOV, G. N.

Author: Titov, G. N.

Title: The durability of metal cutting tools. (Prochnost' metallorazhushchego instrumenta.) 99 p.

City: Sverdlovsk

Publisher:

~~State Scientific and Technical~~ State Scientific and Technical Printing House of Machine Con. Lit.

Date: 1947

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 8, Page 538

TITOV, G. N.
USSR/Medicine - Roentgenology

FD-697

Card 1/1 : Pub 132 7/22

Author : Pinskiy, Ya. I., Candidate Medical Sciences; Sverdlov, A. G.,
Candidate Medical Sciences; Titov, G. N. (Novosibirsk)

Title : The reflex component of the influence of X-rays on the inflammation
process

Periodical : Vest. Rent. i Rad. 35-41, May/June 1954

Abstract : Early roentgenotherapy of the inflammation process initiated by in-
fection of the dermis with staphylococcus aureus, stops the inflamma-
tion in rabbits and brings about its retrogression. Preliminary
pricking of the nucleus of the inflammation with a novocaine solution
drastically lowers the effectivity of the roentgenotherapy. Apparently
the reflex influences arising as a result of the action of the X-rays
and directed towards the liquidation of the inflammation changes, plays
an important role. Two tables. Four references.

Institution : --

Submitted : --

TITOV, G.N.

Disorders of higher nervous activity in preschool children affected by chronic nonspecific pneumonia in its early stages. Vop.okh.mat. i det. 1 no.6:38-43 N-D '56. (MIRA 10:1)

1. Iz laboratorii vysshey nervnoy deyatel'nosti (zav. R.M.Pen) Gosudarstvennogo nauchno-issledovatel'skogo pediatricheskogo instituta Ministerstva zdravookhraneniya RSFSR (dir. V.N.Karachevtseva), Moskva.

(PNEUMONIA) (NERVOUS SYSTEM--DISEASES)

111115.14
GRIGOROVA, O.P., doktor meditsinskikh nauk; TITOV, G.N., nauchnyy
sotrudnik

Monocyte reaction in children with chronic interstitial pneumonia.
Vop.okh.mat. 1 det. 2 no.1:31-34 Ja-F '57. (MLRA 10:2)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo pediatricheskogo
instituta Ministerstva zdravookhraneniya RSFSR (dir. V.N.Karachev-
tseva)

(PNEUMONIA) (BLOOD--PLATELETS)

TITOV, G.H. Cand Med Sci -- (diss) "~~The~~ *Changes in Risher* of ~~the~~ superior nervous activity in various stages of ~~the~~ chronic non-specific pneumonia in children of pre-school age." Mos , 1958. 18 pp (Order of Labor Red Banner *Inst of Pediatrics,* ~~pediatric~~ Institute Acad of Sci USSR.) 300 copies (KL 37,58, 113)

15000

S/123/59/000/006/009/025
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 6, p. 81,
20679

AUTHOR: Titov, G. N.

TITLE: Methods of Making Highly Productive Metal Cutting Tools

PERIODICAL: V sb.: Sovershenstvovat' tekhnol. mashinostr. No. 1, Penza,
Knigoizdat, 1957, pp. 127-140

TEXT: The author reports on the effect of thermal, thermochemical, and electrolytical treatments, as well as the treatment by vapor, on raising the productivity of cutting tools made of rapid and carbon steels. The importance is pointed out of lapping the cutting edges of the tools. Lapping the high-speed cutters with the ГОИ (GOI) pastes makes it possible to increase the cutting speed by 20% when finishing, by 10-15% when snagging and cutting steel, and by 10% when cutting cast iron. When working with lapped cutters the radial component, causing vibrations, decreases by 15-20%. For lapping hard-alloy tools, a paste is recommended consisting of 65-70% abrasive (by weight) and 30 - 35% paraffin.

Card 1/2

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A005/A001

Methods of Making Highly Productive Metal Cutting Tools

The paste of boron carbide with a granularity of 10-100 micron yields the best results. It is noted that a method proposed by B. R. Lazarenko is used at the machine constructing plants for hardening the cutting edges. As a result, the life of the tool increases 2-5 times. It is noted that the application of the combined shape of the front edge of the cutter increases its strength. Double grinding of borers increases their strength 3 times, but when lapping simultaneously the transverse cutting edge, the strength increases 5 times. It is reported on the application of combined tools making possible to perform, at one and the same setting, the cutting and facing, the boring and undercutting, etc. The designs of the combined cutter and the combined broach are added. There are 3 figures. X

B. L. D.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

TITOV, German Stepanovich, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuza; KRAVCHENKO, P., red.

[Seven hundred thousand kilometers in outer space; story of the flight of the Soviet space ship "Vostok-2"] 700.000 kilometrov v kosmose; rasskaz o polete sovetskogo kosmicheskogo korablia "Vostok-2" Moskva, Izd-vo "Pravda," 1961. 47 p. (Biblioteka "Ogonek," no.36)

(MIRA 14:9)

(Astronautics)

TITOV, German Stepanovich, Geroy Sovetskogo Soyuz, letchik-kosmonavt SSSR;
KAMANIN, N., Geroy Sovetskogo Soyuz, general-leytenant aviatsii,
red.; SHAGARINA, A., tekhn. red.

[Seven hundred thousand kilometers in outer space; story told by the
astronaut-pilot of the U.S.S.R.] 7000000 kilometrov v kosmose; ras-
skaz letchika-kosmonavta SSSR. Moskva, Izd-vo "Pravda," 1961. 140 p.
(MIRA 14:10)

(Astronautics)

TITOV, German Stepanovich, letchik-kosmonavt, Geroy Sovetskogo Soyuza

How the flight proceeded. Vest. Vozd. Fl. no.9:54-56 S '61.
(MIRA 14:11)

(Space flight)

TITOV, G., mayor, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuza, voyenny
letchik pervogo klassa

Aviation and outer space. Vest. Vozd. Fl. no.9:63-74 S '61.
(MIRA 14:11)

(Titov, German Stepanovich, 1935-)

TITOV, G., mayor, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuza,
voyenny letchik pervogo klassa

Aviation and outer space. Vest. Vozd. Fl. no.10:13-24 O '61.
(MIRA 15:2)

(Titov, German Stepanovich, 1935-)

TITOV, G., mayor, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuza, voyenny
letchik pervogo klassa

Aviation and outer space. Vest. Vozd. Fl. no.11:14-25 H '61.
(MIRA 15:2)
(Titov, German Stepanovich, 1935-)

TITOV, G., mayor, Geroy Sovetskogo Soyuz, letchik-kosmonavt SSSR, voyenny
letchik pervogo klassa

Aviation and outer space. Vest. Vozd. Fl. no.12:22-27 D '61.
(MIRA 15:3)
(Titov, German Stepanovich, 1935-)

TITOV, German

Focusing the planet earth. Sov.foto 21 no.11:24 N '61.
(MIRA 14:11)

(Photography)

TITOV, G.S.

Before the flight. Voenn. vest. 41 no.9:5 S '61. (MIRA 15:1)
(Titiv, German Stepanovich, 1935-)

TITOV, G.S., letchik-kosmonavt

What I saw and how I felt in space; the story of pilot-cosmonaut.
Priroda 50 no.9:75-77 S '61. (MIRA 14:8)
(Astronautics)

TITOV, German

With a motion-picture camera through space. Priroda 50 no.11:
8a-8d N '61. (MIRA 14:10)

(Photography, Aerial)

TITOV, G.; DAVYDOV, S.M., red.; ABRAMOV, M.A., tekhn. red.

[Seventeen dawns in space; autobiographical tale] Semnadsat'
kosmicheskikh zor'; avtobiograficheskaja povest'. Moskva,
Agentstvo pechati novosti, 1962. 109 p. illus. (MIRA 15:4)
(Titov, German Stepanovich, 1935)

TITOV, German, lutchik-kosmonavt, Geroy Sovetskogo Soyuz

Anniversary of a great start. IUn.tekh. 6 no.4:4-5 Ap '62.
(MIRA 1586)

(Astronautics)

S/O30/62/000/007/001/004
I007/I207

AUTHOR: Titov, G.S.
TITLE: Towards new successes in the exploration of space
PERIODICAL: Akademiya nauk SSSR. Vestnik. no. 7, 1962, 10-18

TEXT: This reports a speech delivered by the Soviet astronaut G.S. TITOV at the International Symposium COSPAR in Washington 1962, in connection with his flight around the earth in August 1961. One of the main tasks of the flight was to study the working capacity of the astronaut under zero-gravity (weightlessness) conditions, over time intervals greater than the duration of flight of the first Soviet astronaut GAGARIN. In his report TITOV gives an ample description of the preparatory steps of the

Card 1/2

S/030/62/000/007/001/004
I007/I207

Towards new successes...

propulsion and auxiliary equipment and he draws conclusions on
the result of his flight.

Card 2/2

TYITOV, G.Sz. [Titov, G.S.], ornagy (Soviet Union)

One day around the earth. Term tud kozl 6 no.6:250-252 Je
'62.

1. a 2. Vosztok pilotaja.

TITOV, G., Geroy Sovetskogo Soyuz, letchik-kosmonavt SSSR, zasluzhenny
master sporta.

Everywhere there are young people who are born with wings.

Kryl.rod 13 no.8:2-4 Ag '62.

(MIRA 15:8)

(Titov, German Stepanovich, 1935-)

TITOV, G.

The living hero of fantastic stories visits with writers; interview
with G. Titov. Tekh.mol. 30 no.10:7-9 '62. (MIRA 15:12)
(Astronautics)

KHRUSHCHEV, N.S.; PAVLOV, S.P.; TITOV, G.S., mayor, letchik-kosmonavt

Strengthen the defensive might of the motherland. Voen. znan.
38 no.6:4-5 Je '62. (MIRA 15:6)

1. Pervyy sekretar' Tsentral'nogo komiteta Kommunisticheskoy
partii Sovetskogo Soyuza; predsedatel' Soveta Ministrov SSSR
(for Khrushchev). 2. Pervyy sekretar' Tsentral'nogo komiteta
Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi
(for Pavlov).

(Russia--Armed forces)
(Communist Youth League)

TITOV, G., mayor, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuza

During the flight. Av.i kosm. 45 no.7:4-21 '62. (MIRA 15:8)
(Titov, German Stepanovich, 1935-) (Space flight)

TITOV, G., mayor, letchik-kosmonavt SSSR, Geroy Sovetskogo Soyuza

Encounter with America. Av.i kosm. 45 no.7:21-28 '62.

(MIRA 15:8)

(Titov, German Stepanovich, 1935-)

KAMANIN, N., general-leytenant aviatsii; TITOV, G., mayor;
SEMENIKHIN, G., podpolkovnik; REBROV, M., inzhener-kapitan

Space field and the area of landing. Av. i kosm. 45 no.9:61-70
'62. (MIRA 15:10)

1. Chleny redaktsionnoy kollegii zhurnala "Aviatsiya i kosmonav-
tika" (fo: Kamanin, Titov). 2. Spetsial'nyye korrespondenty
zhurnala "Aviatsiya i kosmonavtika" (for Semenikhin, Rebrov).

(Space flight)

(Nikolaev, Andriian Grigor'evich, 1929-)

(Popovich, Pavel Romanovich, 1930-)

DOKUCHAYEV, Yuriy Aleksandrovich; TITOV, G.S., Geroy Sovetskogo
Soyuza, letchik-kosmonavt SSSR, red.; BYKOV, V., red.;
LESHCHINSKAYA, G., tekhn. red.

[Going to the stars] Idushchie k zvezdam. Moskva, Molodaia
gvardiia, 1963. 106 p. (MIRA 16:5)

1. Spetsial'nyy korrespondent agentstva pechati "Novosti"
(for Dokuchayev).

(Astronauts)

TITOV, German Stepanovich, Geroy Sovetskogo Soyuz; KAMANIN, N.P.,
general-leytenant aviatsii, red.; PORZUNOV, S.M.,
polkovnik, red.; RUDIN, M.Z., polkovnik, red.; MURASHOVA,
I.A., tekhn. red.

[Aviation and space] Aviatsiia i kosmos; rasskaz letchika-
kosmonavta SSSR. Moskva, Voenizdat, 1963. 244 p.
(MIRA 16:4)

(Titov, German Stepanovich, 1935-)

TITOV, German Stepanovich, Geroy Sovetskogo Soyuz; ABRAMOVA, N.S.,
otv. red.; TOKAREVA, T.M., tekhn. red.

[Seventeen dawns in space; an autobiographical story] Sem-
nadtsat' kosmicheskikh zor'; avtobiograficheskaja povest'.
Moskva, Detgiz, 1963. 127 p. (MIRA 17:3)

TITOV, G.S., Geroy Sovetskogo Soyuza, letchik-kosmonavt

Hold tight to the soil! IUn. nat. no.6:8-9 Je '63.
(MIRA 16:8)

L 02017-67 EWP(c)/EWP(k)/EWT(d)/EWT(m)/T/EWP(l)/EWP(v)/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AM6005023

(N)

Monograph

UR/77
76

Vorob'yev, A. A.; Gorbunov, V. I.; Vorob'yev, V. A.; Titov, G. V.

Betatron¹⁹ defectoscopy of materials and products (Betatronnaya defektoskopiya materialov i izdeliy) Moscow, Atomizdat, 65. 0177 p. illus., biblio. 2,000 copies printed. B+1

TOPIC TAGS: spectroscopy, spectroscopic analysis, spectrophotometric analysis, beta spectroscopy, beta rays, beta beams, electron density, electron emission, electron detection, electron flaw, electron energy, particle beam

PURPOSE AND COVERAGE: This book describes the principles of exploitation of inductive electron accelerator - betatrons in defectoscopy of plated materials and industrial articles. Different methods of betatron defectoscopy are described, as well as their possibilities and deficiencies. This book is a practical handbook for industrial workers working on problems of defectoscopy of plated materials and other articles, as well as for the candidates and scientists working in the field of defectoscopy.

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UDC:620.179.15:621.384.613

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Factors of accumulation as wide beams travel--24
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ve
Card 3/3

VOROB'YEV, V.A.; GORBUNOV, V.I.; TITOV, G.V.; CHAKHIAV, V.I.

Use of betatrons for quality control of welds. Zav. lab. 31 no.2:
236-237 '65. (MIRA 18:7)

1. Tomskiy politekhnicheskii institut im. S.M.Kirova.

VOROB'YEV, A.A.; GORBUNOV, V.I.; VOROB'YEV, V.A.; TITOV, G.V.;
KALYUZHNAIA, T.P., red.

[Betatron defectoscopy of materials and articles] Be-
tatronnaia defektoskopiia materialov i izdelii. Moskva,
Atomizdat, 1965. 177 p. (MIRA 18:10)

TITOV, I.

From the activities of the Scientific Association of Engineers and Technicians of Rumania; marginal notes on some plans of activities. p. 153.

INDUSTRIA USOARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Departamentul Industrii Usoare din Ministerului Industrii Bunurilor de Consum) Bucuresti, Rumania; Vol. 6, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI) IC Vol. 8, No. 9, ^{Sept.} 1959.

Uncl.

VDOVIN, R.A.; VOLKOV, Ya.I., inzh. (Leningrad); TITOV, G.Ye.; KANIN, A.B.

Improving the quality of switches. Put' 1 put. khoz. no.8:18-19
Ag '59. (MIRA 13:3)

1. Starshiy dorozhnyy master Moskovskoy distantssi puti Severnoy dorogi
(for Titov). 2. Starshiy dorozhnyy master, stantsiya Polotsk, Belorusskoy
dorogi (for Kanin).

(Railroads--Switches)

DUMITRESCU, Ioan, ing.; TITOV, Ilie, dipl. univ.

Ten years of the publication for promoting technology in light industry. Industria usoara 10 no.12:529-532 D'63.

1. Director general al Directiei generale industriale pielarie, incaltaminte, cauciuc din Ministerul Industriei Usoare (for Dumitrescu). 2. Redactor sef de rubrica al revistei "Industria Usoare" (for Titov).

SOBOLEVA, N. M., FILIPENKO, V. G., FONOMAREVA, T. N. and KADATSKAYA, K. P.

"The Problem of the Natural Foci of Brucellosis Infection," Zhur.
Mikrobiol., Epidemiol. i Immunobiol., No. 1, pp 82-87, 1955

Translation M-1050, 30 Mar 1956

TITOV, I.A., kand. tekhn. nauk

Designing propellers with aviation-type blade profiles. Sudostroenie
24 no.3:10-16 Mr '58. (MIRA 11:4)
(Propellers)

CHUVIKOVSKIY, V.S., referent; NOVOZHILOV, V.V., referent; PERNIK, A.D.,
referent; YEGOROV, I.T., referent; TITOV, I.A., referent;
FIRSOV, G.A., referent; BOYTISOV, G.V., inzh.; BASIN, A.M., referent

Scientific engineering conference on hydromechanics and structural
mechanics of ships. Sudostroenie 24 no.7:86-87 J1 '58. (MIRA 11:9)
(Naval architecture--Congresses)

TITOV, I.A.

PHASE I BOOK EXPLOITATION

SOV/4930

Voytkunskiy, Yaroslav Iosifovich, Robert Yakovlevich Pershits,
and Igor' Anatol'yevich Titov

Spravochnik po teorii korablya; khodkost' i upravlyayemost'
(Handbook on the Theory of Ships; [Their] Speed and
Maneuverability) Leningrad, Sudpromgiz, 1960. 688 p.
Errata slip inserted.

Resp. Ed.: Yu. V. Krivtsov and G. A. Firsov; Ed.: A. A.
Osvenskaya; Tech. Ed.: A. I. Kontorovich.

PURPOSE: This handbook is intended for scientific workers
and engineers, and for students of shipbuilding technical
institutes of higher education.

COVERAGE: The authors review basic hydrodynamics and the
application of its laws to the calculation of the re-
sistance of water to the motion of ships. Various means
of propulsion are discussed and practical information on
the maneuverability of ships is given. Parts I and II

Card ~~1/17~~

Handbook on the Theory (Cont.)

SOV/4930

were written by Ya. I. Voytkunskiy; Part III by I. A. Titov; and Part IV by Pershits. The following authors contributed to the writing of this handbook: I. T. Yetorov, Sec. 20 and 22 of Part I and Sec. 30 of Part II; A. A. Rusetskiy, Secs. 16, 17, 18, 19, 21, 23 of Part II, a portion of Sec. 25 of Part III and Ch. VIII of Part IV; V. M. Ivanovskiy and M. M. Zhuchenko, Ch. X of Part III. The authors thank A. M. Basin and I. V. Girsh for their remarks. There are 422 references: 299 Soviet (including 2 translations), 83 English, 36 German and 4 French.

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PART I. HYDROMECHANICS

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1. Properties of liquids 9

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BAKSHT, Yuriy Vol'fovich; LOFENFEL'D, Yevgeniy Grigor'yevich; RUSETSKIY, Aleksandr Alekseyevich. Primalni uchastiye: MARTIROSOV, G.G.; MAVLYUDOV, M.A.; KATSMAN, F.M., inzh., retsenzent; TITOV, I.A., kand. tekhn. nauk, retsenzent; KAZAROV, Yu.S., red.; KOROVENKO, Yu.N., tekhn. red.

[Adjustable pitch screw propellers] Grebnye vinty reguliruemogo shaga. By IU.V.Baksht, E.G.Lofenfel'd, A.A.Rusetskii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 327 p.

(Propellers)

(MIRA 14:12)

TITOV, I. A.

The minimum amount of electrolytes contained in the water of sphagnum bogs. I. A. Titov. *Trav. lab. biokhim. acad. sci. U. R. S. S. R.* 3, 61 (1935). The amt. of electrolytes used as food by the vegetable growths of the bogs reaches such magnitude that the water approaches the state of distal water in its low content of mineral substances. Some of the data are: active acidity, $\text{pH } 5.2-5.4$; cond., $K_{12} = 0.086 \times 10^{-4}$; cond. of the

neutralized water $K_{12} = 0.074 \times 10^{-4}$, amt. of salts 0.004 g./l. N. N. Menshuk

ASH-SLA METALLOGICAL LITERATURE CLASSIFICATION

ТИТОВ, И.

А.

Vzaimodeystviye rastitel'nykh soobshchestv i usloviy sredy (Reaction of plant associations and conditions of habitat) Problema razvitiya georastitel'nykh sistem. Moskva, Sovetskaya Nauka, 1952. 469 p. illus., diagrs, tables. "Literatura": p. 462-466

N/5

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.T6

TITOV, I. A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Titov, I. A.	"Interaction Between Plant Colonies and the Conditions of Their Environment."	Moscow Pelt and Fur Institute Central Asia State University

SO: W-30604, 7 July 1954